

s slvrlsscvsqsp  
L2 12 SLVRLSSCV/SQSP

=> d sqd,bib 1-12

L2 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2003 ACS  
RN 391277-27-3 REGISTRY  
FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 18

*see last hit*

SEQ 1 PKCIMKEKKS LVRLSSCV  
= =====

HITS AT: 10-18

REFERENCE 1

AN 136:117023 CA  
TI Frameshift-mutation-derived peptides as tumor-specific antigens in  
inherited and spontaneous colorectal cancer  
AU Saeterdal, Ingvil; Bjorheim, Jens; Lislerud, Kari; Gjertsen, Marianne K.;  
Bukholm, Ida K.; Olsen, Ole Christian; Nesland, Jahn M.; Eriksen, Jon  
Amund; Moller, Mona; Lindblom, Annika; Gaudernack, Gustav  
CS The Norwegian Radium Hospital, Department of Immunology, Section for  
Immunotherapy, The Norwegian Radium Hospital, University of Oslo, Oslo,  
0310, Norway  
SO Proceedings of the National Academy of Sciences of the United States of  
America (2001), 98(23), 13255-13260  
CODEN: PNASA6; ISSN: 0027-8424  
PB National Academy of Sciences  
DT Journal  
LA English  
RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2003 ACS  
RN 252254-94-7 REGISTRY  
FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 10

PATENT ANNOTATIONS (PNTE):

Sequence	Patent
Source	Reference
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Not Given	WO9964588
	claimed
	SEQID 13

SEQ 1 KSLVRLSSCV  
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HITS AT: 2-10

REFERENCE 1

AN 132:44964 CA  
TI MHC-I-binding transforming growth factor beta receptor II peptides and  
nucleic acids and their uses in diagnosis and therapy of gastric cancer  
IN Acres, Bruce  
PA Transgene, Fr.  
SO PCT Int. Appl., 45 pp.  
CODEN: PIXXD2  
DT Patent  
LA French  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964588	A1	19991216	WO 1999-FR1354	19990608
	W: AU, CA, JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	FR 2779432	A1	19991210	FR 1998-7322	19980608
	AU 9940471	A1	19991230	AU 1999-40471	19990608
	AU 741558	B2	20011206		
	EP 994948	A1	20000426	EP 1999-923698	19990608
	EP 994948	B1	20010516		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	ES 2158734	T3	20010901	ES 1999-923698	19990608
PRAI	FR 1998-7322		19980608		
	WO 1999-FR1354		19990608		
RE.CNT	1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L2 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2003 ACS  
RN 252254-85-6 REGISTRY  
FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 11

# PATENT ANNOTATIONS (PNTE):

Sequence	Patent
Source	Reference
Not Given	WO9964588
	claimed
	SEQID 3

SEQ 1 SLVRLSSCVP V

HITS AT: 1-9

## REFERENCE 1

AN 132:44964 CA  
TI MHC-I-binding transforming growth factor beta receptor II peptides and nucleic acids and their uses in diagnosis and therapy of gastric cancer  
IN Acres, Bruce  
PA Transgene, Fr.  
SO PCT Int. Appl., 45 pp.  
CODEN: PIXXD2  
DT Patent  
LA French  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964588	A1	19991216	WO 1999-FR1354	19990608
	W: AU, CA, JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	FR 2779432	A1	19991210	FR 1998-7322	19980608
	AU 9940471	A1	19991230	AU 1999-40471	19990608
	AU 741558	B2	20011206		
	EP 994948	A1	20000426	EP 1999-923698	19990608
	EP 994948	B1	20010516		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	ES 2158734	T3	20010901	ES 1999-923698	19990608
PRAI	FR 1998-7322		19980608		

WO 1999-FR1354 19990608  
RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2003 ACS  
RN 250643-85-7 REGISTRY  
FS PROTEIN SEQUENCE  
SQL 50

PATENT ANNOTATIONS (PNTE):

Sequence	Patent
Source	Reference
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Not Given	WO9958552
	unclaimed
	PAGE 56-57

SEQ 1 EKKKPGETFF MCSEKSLVR LSSCVPVALM SAMTTSSSQK NITPAILTCC  
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HITS AT: 17-25

REFERENCE 1

AN 131:346503 CA  
TI Peptides derived from frameshift-mutated genes which elicit T cell  
immunity and their use as cancer vaccines  
IN Gaudernack, Gustav; Eriksen, Jon Amund; Moller, Mona; Gjertsen, Marianne  
Klemp; Saeterdal, Ingvil  
PA Norsk Hydro Asa, Norway  
SO PCT Int. Appl., 167 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9958552	A2	19991118	WO 1999-NO143	19990503
WO 9958552	A3	20000302		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
NO 9802097	A	19991109	NO 1998-2097	19980508
CA 2327549	AA	19991118	CA 1999-2327549	19990503
AU 9954516	A1	19991129	AU 1999-54516	19990503
AU 755712	B2	20021219		
EP 1078000	A2	20010228	EP 1999-940722	19990503
JP 2002519999	T2	20020709	JP 2000-548356	19990503
PRAI NO 1998-2097		19980508		
WO 1999-NO143		19990503		

L2 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2003 ACS  
RN 250643-01-7 REGISTRY  
FS PROTEIN SEQUENCE  
SQL 38

PATENT ANNOTATIONS (PNTE):  
Sequence | Patent

Source | Reference  
 =====+=====

Not Given | WO9958552  
 | unclaimed  
 | PAGE 57

SEQ 1 EKKKSLVRLS SCVPVALMSA MTTSSSQKNI TPAILTCC  
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HITS AT: 5-13

REFERENCE 1

AN 131:346503 CA  
 TI Peptides derived from frameshift-mutated genes which elicit T cell  
 immunity and their use as cancer vaccines  
 IN Gaudernack, Gustav; Eriksen, Jon Amund; Moller, Mona; Gjertsen, Marianne  
 Klemp; Saeterdal, Ingvil  
 PA Norsk Hydro Asa, Norway  
 SO PCT Int. Appl., 167 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9958552	A2	19991118	WO 1999-NO143	19990503
WO 9958552	A3	20000302		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
NO 9802097	A	19991109	NO 1998-2097	19980508
CA 2327549	AA	19991118	CA 1999-2327549	19990503
AU 9954516	A1	19991129	AU 1999-54516	19990503
AU 755712	B2	20021219		
EP 1078000	A2	20010228	EP 1999-940722	19990503
JP 2002519999	T2	20020709	JP 2000-548356	19990503
PRAI NO 1998-2097		19980508		
WO 1999-NO143		19990503		

L2 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2003 ACS  
 RN 250603-93-1 REGISTRY  
 FS PROTEIN SEQUENCE  
 SQL 44

PATENT ANNOTATIONS (PNTE):

Sequence | Patent  
 Source | Reference  
 =====+=====

Not Given | WO9958552  
 | claimed  
 | SEQID 14

SEQ 1 SPKCIMKEKK SLVRLSSCVP VALMSAMTTS SSQKNITPAI LTCC  
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HITS AT: 11-19

## REFERENCE 1

AN 131:346503 CA  
TI Peptides derived from frameshift-mutated genes which elicit T cell  
immunity and their use as cancer vaccines  
IN Gaudernack, Gustav; Eriksen, Jon Amund; Moller, Mona; Gjertsen, Marianne  
Klemp; Saeterdal, Ingvil  
PA Norsk Hydro Asa, Norway  
SO PCT Int. Appl., 167 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9958552	A2	19991118	WO 1999-NO143	19990503
	WO 9958552	A3	20000302		
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	NO 9802097	A	19991109	NO 1998-2097	19980508
	CA 2327549	AA	19991118	CA 1999-2327549	19990503
	AU 9954516	A1	19991129	AU 1999-54516	19990503
	AU 755712	B2	20021219		
	EP 1078000	A2	20010228	EP 1999-940722	19990503
	JP 2002519999	T2	20020709	JP 2000-548356	19990503
PRAI	NO 1998-2097		19980508		
	WO 1999-NO143		19990503		

L2 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2003 ACS  
RN 249755-83-7 REGISTRY  
FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 18

SEQ 1 KSLVRLSSCV PVALMSAM  
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HITS AT: 2-10

## REFERENCE 1

AN 131:346503 CA  
TI Peptides derived from frameshift-mutated genes which elicit T cell  
immunity and their use as cancer vaccines  
IN Gaudernack, Gustav; Eriksen, Jon Amund; Moller, Mona; Gjertsen, Marianne  
Klemp; Saeterdal, Ingvil  
PA Norsk Hydro Asa, Norway  
SO PCT Int. Appl., 167 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9958552	A2	19991118	WO 1999-NO143	19990503
	WO 9958552	A3	20000302		
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,			

MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,  
 TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,  
 MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,  
 ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,  
 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

NO 9802097 A 19991109 NO 1998-2097 19980508  
 CA 2327549 AA 19991118 CA 1999-2327549 19990503  
 AU 9954516 A1 19991129 AU 1999-54516 19990503  
 AU 755712 B2 20021219  
 EP 1078000 A2 20010228 EP 1999-940722 19990503  
 JP 2002519999 T2 20020709 JP 2000-548356 19990503  
 PRAI NO 1998-2097 19980508  
 WO 1999-NO143 19990503

L2 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2003 ACS  
 RN 249755-73-5 REGISTRY  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 9

PATENT ANNOTATIONS (PNTE):

Sequence	Patent
Source	Reference
Not Given	WO9964588
	claimed
	SEQID 2

SEQ 1 SLVRLSSCV

HITS AT: 1-9

REFERENCE 1

AN 132:44964 CA  
 TI MHC-I-binding transforming growth factor beta receptor II peptides and  
 nucleic acids and their uses in diagnosis and therapy of gastric cancer  
 IN Acres, Bruce  
 PA Transgene, Fr.  
 SO PCT Int. Appl., 45 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA French  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9964588	A1	19991216	WO 1999-FR1354	19990608
W: AU, CA, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
FR 2779432	A1	19991210	FR 1998-7322	19980608
AU 9940471	A1	19991230	AU 1999-40471	19990608
AU 741558	B2	20011206		
EP 994948	A1	20000426	EP 1999-923698	19990608
EP 994948	B1	20010516		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
ES 2158734	T3	20010901	ES 1999-923698	19990608
PRAI FR 1998-7322		19980608		
WO 1999-FR1354		19990608		

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

AN 131:346503 CA  
 TI Peptides derived from frameshift-mutated genes which elicit T cell immunity and their use as cancer vaccines  
 IN Gaudernack, Gustav; Eriksen, Jon Amund; Moller, Mona; Gjertsen, Marianne Klemp; Saeterdal, Ingvil  
 PA Norsk Hydro Asa, Norway  
 SO PCT Int. Appl., 167 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9958552	A2	19991118	WO 1999-NO143	19990503
	WO 9958552	A3	20000302		
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	NO 9802097	A	19991109	NO 1998-2097	19980508
	CA 2327549	AA	19991118	CA 1999-2327549	19990503
	AU 9954516	A1	19991129	AU 1999-54516	19990503
	AU 755712	B2	20021219		
	EP 1078000	A2	20010228	EP 1999-940722	19990503
	JP 2002519999	T2	20020709	JP 2000-548356	19990503
PRAI	NO 1998-2097		19980508		
	WO 1999-NO143		19990503		

L2 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2003 ACS  
 RN 249752-67-8 REGISTRY  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 22

PATENT ANNOTATIONS (PNTE):

Sequence	Patent
Source	Reference
Not Given	WO9958552
	claimed
	SEQID 18

SEQ 1 SPKCIMKEKK SLVRLSSCVP VA

HITS AT: 11-19

REFERENCE 1

AN 136:117023 CA  
 TI Frameshift-mutation-derived peptides as tumor-specific antigens in inherited and spontaneous colorectal cancer  
 AU Saeterdal, Ingvil; Bjorheim, Jens; Lislerud, Kari; Gjertsen, Marianne K.; Bukholm, Ida K.; Olsen, Ole Christian; Nesland, Jahn M.; Eriksen, Jon Amund; Moller, Mona; Lindblom, Annika; Gaudernack, Gustav  
 CS The Norwegian Radium Hospital, Department of Immunology, Section for Immunotherapy, The Norwegian Radium Hospital, University of Oslo, Oslo, 0310, Norway

SO Proceedings of the National Academy of Sciences of the United States of  
 America (2001), 98(23), 13255-13260  
 CODEN: PNASA6; ISSN: 0027-8424  
 PB National Academy of Sciences  
 DT Journal  
 LA English  
 RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

AN 131:346503 CA  
 TI Peptides derived from frameshift-mutated genes which elicit T cell  
 immunity and their use as cancer vaccines  
 IN Gaudernack, Gustav; Eriksen, Jon Amund; Moller, Mona; Gjertsen, Marianne  
 Klemp; Saeterdal, Ingvil  
 PA Norsk Hydro Asa, Norway  
 SO PCT Int. Appl., 167 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9958552	A2	19991118	WO 1999-NO143	19990503
	WO 9958552	A3	20000302		
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	NO 9802097	A	19991109	NO 1998-2097	19980508
	CA 2327549	AA	19991118	CA 1999-2327549	19990503
	AU 9954516	A1	19991129	AU 1999-54516	19990503
	AU 755712	B2	20021219		
	EP 1078000	A2	20010228	EP 1999-940722	19990503
	JP 2002519999	T2	20020709	JP 2000-548356	19990503
PRAI	NO 1998-2097		19980508		
	WO 1999-NO143		19990503		

L2 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2003 ACS  
 RN 249752-65-6 REGISTRY  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 23

PATENT ANNOTATIONS (PNTE):

Sequence	Patent
Source	Reference
Not Given	WO9958552
	claimed
	SEQID 17

SEQ 1 SLVRLSSCVP VALMSAMTTS SSQ  
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HITS AT: 1-9

REFERENCE 1



AN 136:117023 CA  
 TI Frameshift-mutation-derived peptides as tumor-specific antigens in  
 inherited and spontaneous colorectal cancer  
 AU Saeterdal, Ingvil; Bjorheim, Jens; Lislerud, Kari; Gjertsen, Marianne K.;  
 Bukholm, Ida K.; Olsen, Ole Christian; Nesland, Jahn M.; Eriksen, Jon  
 Amund; Moller, Mona; Lindblom, Annika; Gaudernack, Gustav  
 CS The Norwegian Radium Hospital, Department of Immunology, Section for  
 Immunotherapy, The Norwegian Radium Hospital, University of Oslo, Oslo,  
 0310, Norway  
 SO Proceedings of the National Academy of Sciences of the United States of  
 America (2001), 98(23), 13255-13260  
 CODEN: PNASA6; ISSN: 0027-8424  
 PB National Academy of Sciences  
 DT Journal  
 LA English  
 RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

AN 131:346503 CA  
 TI Peptides derived from frameshift-mutated genes which elicit T cell  
 immunity and their use as cancer vaccines  
 IN Gaudernack, Gustav; Eriksen, Jon Amund; Moller, Mona; Gjertsen, Marianne  
 Klemp; Saeterdal, Ingvil  
 PA Norsk Hydro Asa, Norway  
 SO PCT Int. Appl., 167 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9958552	A2	19991118	WO 1999-NO143	19990503
WO 9958552	A3	20000302		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
NO 9802097	A	19991109	NO 1998-2097	19980508
CA 2327549	AA	19991118	CA 1999-2327549	19990503
AU 9954516	A1	19991129	AU 1999-54516	19990503
AU 755712	B2	20021219		
EP 1078000	A2	20010228	EP 1999-940722	19990503
JP 2002519999	T2	20020709	JP 2000-548356	19990503
PRAI NO 1998-2097		19980508		
WO 1999-NO143		19990503		

L2 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2003 ACS  
 RN 249752-61-2 REGISTRY  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 19

PATENT ANNOTATIONS (PNTE):

Sequence	Patent
Source	Reference
Not Given	WO9958552
	claimed

|SEQID 15

SEQ 1 PKCIMKEKKK SLVRLSSCV  
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HITS AT: 11-19

REFERENCE 1

AN 131:346503 CA  
TI Peptides derived from frameshift-mutated genes which elicit T cell  
immunity and their use as cancer vaccines  
IN Gaudernack, Gustav; Eriksen, Jon Amund; Moller, Mona; Gjertsen, Marianne  
Klemp; Saeterdal, Ingvil  
PA Norsk Hydro Asa, Norway  
SO PCT Int. Appl., 167 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9958552	A2	19991118	WO 1999-NO143	19990503
	WO 9958552	A3	20000302		
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	NO 9802097	A	19991109	NO 1998-2097	19980508
	CA 2327549	AA	19991118	CA 1999-2327549	19990503
	AU 9954516	A1	19991129	AU 1999-54516	19990503
	AU 755712	B2	20021219		
	EP 1078000	A2	20010228	EP 1999-940722	19990503
	JP 2002519999	T2	20020709	JP 2000-548356	19990503
PRAI	NO 1998-2097		19980508		
	WO 1999-NO143		19990503		

L2 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2003 ACS  
RN 183660-86-8 REGISTRY  
FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 34

PATENT ANNOTATIONS (PNTE):

Sequence	Patent
Source	Reference
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Not Given	US6291237
	unclaimed
	SEQID 3
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	WO9958552
	claimed
	SEQID 14
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	WO9958552
	claimed
	SEQID 13
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	WO9964588

unclaimed  
SEQID 1

SEQ 1 SLVRLSSCVP VALMSAMTTS SSQKNITPAI LTCC  
=====

HITS AT: 1-9

REFERENCE 1

AN 135:251951 CA  
TI Cancer diagnosis and therapy based on mutations in TGF-.beta. receptors  
IN Markowitz, Sanford D.; Brattain, Michael G.; Willson, James K. V.  
PA Case Western Reserve University, USA; Medical College of Ohio  
SO U.S., 30 pp., Cont.-in-part of U.S. 5,866,323.

CODEN: USXXAM

DT Patent  
LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6291237	B1	20010918	US 1999-239864	19990129
	US 5866323	A	19990202	US 1995-445520	19950522
	US 2002064786	A1	20020530	US 2001-878905	20010613
PRAI	US 1995-417867		19950407		
	US 1995-445520		19950522		
	US 1999-239864		19990129		

RE.CNT 97 THERE ARE 97 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

AN 132:44964 CA  
TI MHC-I-binding transforming growth factor beta receptor II peptides and  
nucleic acids and their uses in diagnosis and therapy of gastric cancer  
IN Acres, Bruce  
PA Transgene, Fr.  
SO PCT Int. Appl., 45 pp.  
CODEN: PIXXD2

DT Patent  
LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964588	A1	19991216	WO 1999-FR1354	19990608
	W: AU, CA, JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
	PT, SE				
	FR 2779432	A1	19991210	FR 1998-7322	19980608
	AU 9940471	A1	19991230	AU 1999-40471	19990608
	AU 741558	B2	20011206		
	EP 994948	A1	20000426	EP 1999-923698	19990608
	EP 994948	B1	20010516		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, FI				
	ES 2158734	T3	20010901	ES 1999-923698	19990608
PRAI	FR 1998-7322		19980608		
	WO 1999-FR1354		19990608		

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 3

AN 131:346503 CA

TI Peptides derived from frameshift-mutated genes which elicit T cell immunity and their use as cancer vaccines  
 IN Gaudernack, Gustav; Eriksen, Jon Amund; Moller, Mona; Gjertsen, Marianne Klemp; Saeterdal, Ingvil  
 PA Norsk Hydro Asa, Norway  
 SO PCT Int. Appl., 167 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9958552	A2	19991118	WO 1999-NO143	19990503
	WO 9958552	A3	20000302		
	W:				
	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	NO 9802097	A	19991109	NO 1998-2097	19980508
	CA 2327549	AA	19991118	CA 1999-2327549	19990503
	AU 9954516	A1	19991129	AU 1999-54516	19990503
	AU 755712	B2	20021219		
	EP 1078000	A2	20010228	EP 1999-940722	19990503
	JP 2002519999	T2	20020709	JP 2000-548356	19990503
PRAI	NO 1998-2097		19980508		
	WO 1999-NO143		19990503		

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AN 130:163170 CA  
 TI Cancer diagnosis, prognosis and therapy based on mutation of receptors for transforming growth factor .beta.  
 IN Markowitz, Sanford D.; Brattain, Michael G.; Willson, James K. V.  
 PA Case Western Reserve University, USA; Medical College of Ohio  
 SO U.S., 27 pp., Cont.-in-part of U.S. Ser. No. 417,867, abandoned.  
 CODEN: USXXAM

DT Patent  
 LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5866323	A	19990202	US 1995-445520	19950522
	CA 2217697	AA	19961010	CA 1996-2217697	19960405
	WO 9631605	A1	19961010	WO 1996-US4727	19960405
	W:				
	AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
	RW:				
	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN				
	AU 9655361	A1	19961023	AU 1996-55361	19960405
	EP 820510	A1	19980128	EP 1996-912590	19960405
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI				
	JP 11505322	T2	19990518	JP 1996-530516	19960405
	US 6291237	B1	20010918	US 1999-239864	19990129
	US 2002064786	A1	20020530	US 2001-878905	20010613
PRAI	US 1995-417867		19950407		
	US 1995-445520		19950522		

WO 1996-US4727 19960405  
 US 1999-239864 19990129  
 RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 5

AN 126:4193 CA  
 TI Colon cancer diagnosis and therapy based on mutations in the gene for the  
 transforming growth factor .beta. receptor II  
 IN Markowitz, Sanford D.; Brattain, Michael G.; Willson, James K. V.  
 PA Case Western University, USA; Medical College of Ohio  
 SO PCT Int. Appl., 69 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9631605	A1	19961010	WO 1996-US4727	19960405
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN				
US 5866323	A	19990202	US 1995-445520	19950522
AU 9655361	A1	19961023	AU 1996-55361	19960405
EP 820510	A1	19980128	EP 1996-912590	19960405
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI				
JP 11505322	T2	19990518	JP 1996-530516	19960405
PRAI US 1995-417867		19950407		
US 1995-445520		19950522		
WO 1996-US4727		19960405		